

FIG.1

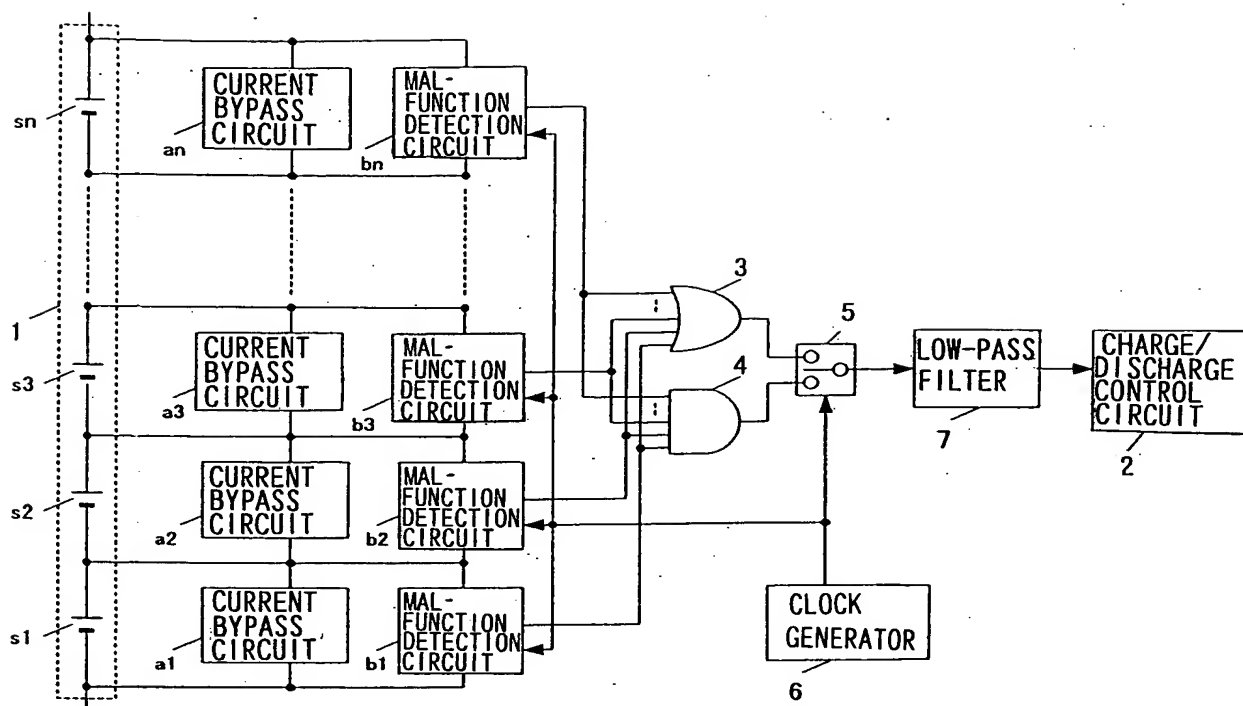


FIG.2

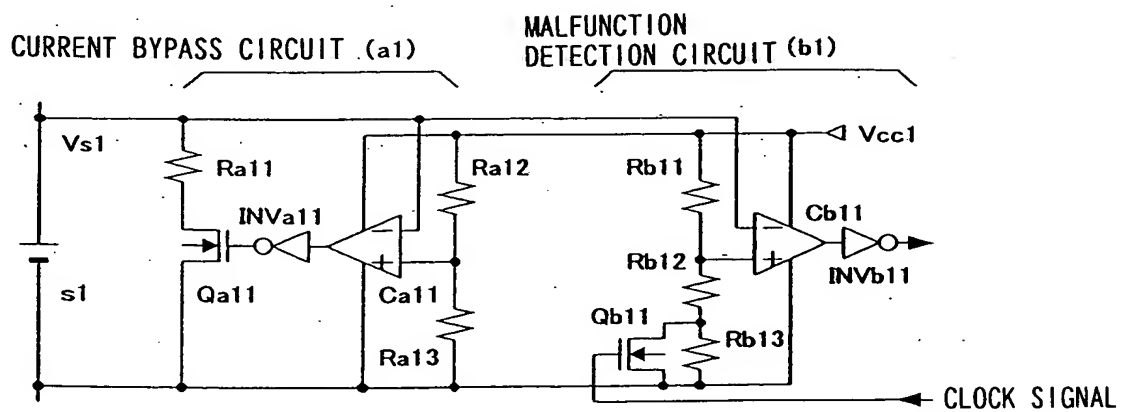


FIG.3

	CURRENT BYPASS	MALFUNCTION (OVERCHARGE) DETECTION	MALFUNCTION (OVER-DISCHARGE) DETECTION
DECISION- MAKING VOLTAGE	$V11 = \frac{Ra13}{Ra12 + Ra13} Vcc1$	$V12 = \frac{Rb12 + Rb13}{Rb11 + Rb12 + Rb13} Vcc1$	$V13 = \frac{Rb12}{Rb11 + Rb12} Vcc1$

FIG.4

